**PATENT**

**FRENCH PETROLEUM INSTITUTE**

# TITLE: PROCESS FOR THE PRODUCTION OF GASOLINES WITH HIGH OCTANE NUMBERS FROM A C5/C6 FRACTION USING A MEMBRANE SEPARATION UNIT

Invention by: L. BOURNAY; E. JOLIMAITRE; A. BAUDOT; J. F. JOLY, and P. BROUTIN

## ABSTRACT

The invention describes a process for isomerization of typically paraffinic hydrocarbon fractions that have 5 to 7 carbon atoms, characterized by the use of a membrane separation unit supplied by the top flow obtained from the deisohexanizer, which makes it possible to maximize the amount of isopentane in the isomerate. The RON and MON octane numbers of the isomerate that is obtained by the process are considerably improved.

-- Figure 1 to be published.